



NASA

Strategic Area 2.1: K-12 EDUCATION – STEM

Objective 2.1.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that benefit Hispanic students in STEM education and/or increase the participation of Hispanic students in STEM programs and education. This may include any programs that may benefit students, teachers, parents, or the general population as a whole. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
<p>1. NASA Minority University Research and Education Project (MUREP) Aerospace Academy (MAA) – This activity is established by NASA’s Office of Education to increase participation and retention of historically underserved and underrepresented K-12 youth in the areas of Science, Technology, Engineering, and Mathematics (STEM). MAA funding affords Minority Serving Institutions (MSIs) the opportunity to develop exciting new avenues for inspiring students in STEM fields.</p> <p>MAA aligns to the NASA Education STEM Engagement (SE) Line of Business (LOB). SE activities are designed to provide opportunities for participatory and experiential learning activities that connect learners to</p>	MAA awards are funded as multi-year cooperative agreements. The maximum period of performance is three (3) years.	<p>In fiscal year 2015 (FY15) five (5) of nine (9) MSI awardees were Hispanic Serving Institutions or HSIs:</p> <p>California State University, Fresno; Hartnell College, Salinas, CA; Texas State University, San Marcos; University of Texas at El Paso; and York College, City University of New York.</p>	FY15 data collection is in progress.	Individual award values range from \$100,000 - \$160,000 for year one and year two. Year three sites will receive between \$80,000 - \$100,000.	<p>Priscilla Mobley Activity Manager, MAA NASA Glenn Research Center at Lewis Field Educational Programs Office 21000 Brookpark Road, Mail Stop 7-4 Cleveland, OH 44135 P: (216) 433 8333 priscilla.a.mobley@nasa.gov</p> <p>For more information, please see: https://nspires.nasaprs.com/external/solicitations/supply.do?method=init&supplyId=%7B9D1404BE-9A1E-0DF5-D392-3ED022454F3F%7D&path=open http://www.nasa.gov/press-release/nasa-awards-</p>	<p>GOALS</p> <ul style="list-style-type: none"> a. Improve STEM literacy by engaging students, family members and teachers through the integration of emerging technologies. b. Educate students utilizing a STEM curriculum that meets national science, technology, engineering and mathematics standards aligned to NASA’s mission directorates. <p>OBJECTIVES</p> <ul style="list-style-type: none"> a. Increase the number of historically underserved and underrepresented



NASA-unique resources. STEM Engagement activities are based on best practices in motivation, engagement, and learning in formal and informal settings such as Public Education Activities, Experiential Learning Opportunities, and STEM Challenges.					grants-to-expand-stem-education	<p>students interested in NASA specific STEM careers.</p> <p>b. Provide skills to parents/caregivers to work with and encourage their children in STEM activities and programs.</p> <p>c. Involve community groups, business, industry, museums and educational and professional organizations through mentoring, field trips, guest speakers and other MAA activities.</p> <p>d. Engage students in participatory activities such as hands-on-learning, research, use of advanced technology, peer support groups, and mentoring relationships with professionals working in the STEM fields.</p>
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Objective 2.1.b: Communication and Outreach – This section should include information on how the Agency conducts outreach to the Hispanic community, specifically to students, educators, institutions of higher education, and stakeholders, to make them aware of funding opportunities and activities that invest in or support STEM education. This may include grants, scholarships, and efforts to bring awareness to the Hispanic community about the benefits of STEM education.



Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
<p>1. NASA sponsors the Hispanic, Engineering, Science, and Technology (HESTEC) Week, hosted by the University of Texas- Rio Grande Valley. NASA has supported the following activities to engage students and teachers in interactive workshops and disseminate information about NASA's education opportunities:</p> <p>Educator Day – Teachers and administrators participate in professional development workshops led by corporations, federal agencies and educational organizations, who provide classroom resources to promote STEM to students. Participants also attend STEM excursions led by community- and university-based partners. http://www.utrgv.edu/hestec/educator.htm</p> <p>Student Leadership Day – Students participate in hands-on interactive activities and sessions that are designed to ignite student interest in STEM areas and create awareness of the different opportunities available to them. Presenters expose students to the commercialization aspect of a STEM industry and how they</p>	October 5 – 11, 2014	<p>Educator Day – 600; Student Leadership Day – 1,200; Latina Day – 1,200; Robotics Day – 600; Middle School Challenge – 4,000; Career Expo – 1,800; Community Day – 20,000</p>	No available data to determine the number of Hispanic students served.	Please see FY15 Annual Agency Performance Report on Actions to Assist Minority Serving Institutions.	<p>Tania Davis Acting MUREP Manager NASA Headquarters 300 E St SW, Washington, DC 20546 P: (202) 358 5266 tania.b.davis@nasa.gov</p>	Please see HESTEC webpage http://www.utrgv.edu/hestec/about.htm



<p>can succeed as successful small business owners. http://www.utrgv.edu/hestec/student.htm</p> <p>Latina Day – Female students and their mothers hear from successful female role models. Prominent, professional women executives and motivational speakers inspire the girls to venture into today’s workforce and pursue their dreams. http://www.utrgv.edu/hestec/latina.htm</p> <p>Robotics Day – Teams of students from throughout the Rio Grande Valley participate in this adrenaline-filled, hands-on event that takes engineering to a whole new level. This exciting robotics competition teaches students about engineering programming in an effort to expose them to real-life engineering applications. http://www.utrgv.edu/hestec/robotics.htm</p> <p>Middle School Challenge – Thousands of middle school students participate in hands-on activities and visit educational exhibits that teach them about different exciting areas of STEM. http://www.utrgv.edu/hestec/middle-school.htm</p> <p>Career Expo – Hundreds of</p>						
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<p>university level students meet with recruiters from federal agencies, corporations and local businesses to discuss internship and employment opportunities. http://www.utrgv.edu/hester/career.htm</p> <p>Community Day – This is a weeklong celebration of STEM that concludes with a free event, inviting the k-12 community to enjoy educational exhibits and other interactive events http://www.utrgv.edu/hester/community.htm</p>						
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Strategic Area 2.2: K-12 EDUCATION – Latino Teacher Recruitment

Objective 2.2.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that help recruit Hispanic students into the teaching profession and/or support the recruitment and/or retention of Hispanic teachers. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
1. MUREP Educator Institutes (MEIs) – This activity is established by NASA’s Office of Education to bring pre-service and alternative route STEM educators from MSIs across the country to NASA centers annually, for a one-week professional development	MEI awards are funded as multi-year cooperative agreements. The period of performance	In FY15, the MEI award was granted to Texas State University, San Marcos. This University is a designated HSI.	FY15 data collection is in progress.	Awards not to exceed \$1,000,000 per year for a maximum of three (3) years.	Christopher Copelan Activity Manager, MEI; Educator Professional Development Lead NASA Stennis Space Center Building 1100 Room 302B Stennis Space Center, Ms. 39529	GOALS: a. Engage with MSI(s) to bring high performing undergraduate students, who plan to teach STEM, to NASA Centers for one week to interact



session. MEI aligns to the NASA Education Educator Professional Development (EPD) Line of Business (LOB). EPD uses NASA's missions, education resources, and unique facilities to provide high-quality STEM content and hands-on learning experiences to in-service, pre-service and informal educators. EPD provides educators with the knowledge, skills, and ability to deliver unique STEM content to learners who will ensure the economic growth and competitiveness of our nation.	is not to exceed three (3) years.				P: 228-688-4878 christopher.r.copelan@nasa.gov For more information, please see: https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&sollid=%7B5BDA2322-1DF2-0C6B-3771-0278A7834BDC%7D&path=open	with NASA missions and SMEs. b. Engage participating future educators with NASA experts to collaborate and provide the most advanced and innovative pre-service/alternate route experiences c. Inspire future educators to help NASA communicate with students for years to come. d. Reach underserved and underrepresented populations and institutions. OBJECTIVES: a. Engage pre-service and alternative route educators enrolled in MSIs in NASA-unique, authentic STEM experiences affiliated with NASA missions and facilitated by NASA SMEs. b. Train these future educators in the use of evidence-based instructional practices that provide students with rich, NASA-unique STEM
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Strategic Area 2.3: K-12 EDUCATION – Family Engagement

Objective 2.3.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities or initiatives that encourage, promote, strengthen and/or support family engagement as a strategy to increase the educational attainment and academic and professional success of all students, including Hispanic students. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
<p>1. MAA Family Café - The Family Café is an interactive forum that provides STEM education and parenting or caregiving information to any supportive adult role model(s) who interacts with the students. The Family Café traditionally includes hands-on activities, workshops, guest speakers and roundtable discussions.</p> <p>The Family Café must include three (3) major elements:</p> <ul style="list-style-type: none"> ▪ Family Focus Groups – Focus groups specifically for parents/caregivers that take place simultaneously with the K-12 NASA MAA academic 	Please see activity listed under objective 2.1.a.	-	-	-	-	-



<p>year sessions. Designed to increase parenting and STEM-education knowledge, these interactive forums serve as the cornerstone of the Family Café.</p> <ul style="list-style-type: none"> ▪ Family Nights – Specially designed, dynamic learning events that bring students and their parents/caregivers together to work on hands-on, STEM-related activities and projects within the school setting. ▪ Home-Based Family Initiatives – Hands-on, STEM-focused activities for students and parents/caregivers to work on together in the home setting. 						
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Strategic Area 2.4: K-12 EDUCATION – College Access

Objective 2.4.a.: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities or initiatives that encourage, promote, strengthen and/or support college access for all students, including Hispanic students. The Agency can include college enrollment and affordability efforts with the goal of increasing participation of Hispanic students in job training, 2-year degrees and certificates and 4-year and beyond professional degrees. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
1. NASA Internships, Fellowships and Scholarships (NIFS) – NIFS leverages NASA’s unique	NASA offers NIFS opportunitie	Please see FY15 Annual Agency	Please see FY15 Annual	Please see FY15 Annual	NASA INTERNSHIPS: Bryan Dansberry	a. NASA Internships are competitive awards to support educational



missions and programs to enhance and increase the capability, diversity, and size of the Nation's future STEM workforce. NASA continues to invest in the nation's STEM learners by providing opportunities that will launch a new era of learning, innovation, and achievement	s for Spring, Summer, Fall and Yearlong sessions.	Performance Report on Actions to Assist Minority Serving Institutions.	Agency Performance Report on Actions to Assist Minority Serving Institutions.	Agency Performance Report on Actions to Assist Minority Serving Institutions.	<p>External Relations, Office of Education NASA Johnson Space Center 2101 NASA Road 1, Houston, TX 77058 P: (281) 483 0707 bryan.e.dansberry@nasa.gov</p> <p>NASA Fellowships & Scholarships:</p> <p>Elizabeth Cartier NASA Fellowships and Scholarships Deputy Program Manager Office of Education and Public Outreach FILMSS/Wyle Corporation NASA Ames Research Center Moffett Field, CA 94035 P: (650) 604 6958 elizabeth.a.cartier@nasa.gov</p> <p>For more information, please see: https://intern.nasa.gov/</p>	<p>work opportunities that provide unique NASA-related experiences for educators and high school, undergraduate, and graduate students. These opportunities engage students with real-world experiences while contributing to the operation of a NASA facility or the advancement of NASA's missions.</p> <p>b. NASA Fellowships are designed to support independently conceived or designed research, or senior design projects by highly qualified faculty, undergraduate, and graduate students, in disciplines needed to help advance NASA's missions, thus affording them the opportunity to directly contribute to advancements in STEM-related areas of study. Our fellowship opportunities are focused on innovation and generate measurable research results that contribute to NASA's current and future science and technology goals.</p> <p>c. NASA Scholarships</p>
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						provide financial support to undergraduate and graduate students for studies in STEM disciplines to inspire and support the next generation of STEM professionals.
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Objective 2.4.b.: Communication and Outreach – This section should include information on how the Agency supports or conducts outreach and amplification on the importance of college enrollment, access and affordability.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
<p>2. NASA Speakers Bureau – the Speakers Bureau is composed of engineers, scientists, and other professionals who represent the agency as speakers at civic, professional, educational and other public venues.</p> <p>The Speakers Bureau is a free service as a part of NASA’s public communication and outreach programs. Our audiences include pre-school to college classes, libraries and museums, scouts, professional and technical organizations, and community groups.</p> <p>Topics include:</p> <ul style="list-style-type: none">• NASA Overview• Space Exploration• How NASA improves our quality of life• Aeronautics Research• Center overviews• Mission and program briefings	Speakers should be requested 6-8 weeks prior to the event flexibility in event topic and program date helps immensely in securing a NASA speaker.	Each year, NASA speakers provide hundreds of presentations to thousands of people.	No available data to determine the number of Hispanic students served.	This service is provided in-kind based upon the availability of speakers.	<p>Each NASA Center’s Speakers Bureau has been assigned a geographic region of responsibility. Visit the following link to identify the Speakers Bureau Coordinator for the state or region where the event will take place.</p> <p>For more information, please see: http://www.nasa.gov/content/nasa-center-assignments-by-state https://www.nasa.gov/about/speakers/nasa-speakers-about.html</p>	N/A



3. NASA MissionSTEM Website – NASA maintains the MissionSTEM Website primarily to assist programs and activities receiving NASA funding to meet their obligations under Federal equal opportunity laws. The Web site takes NASA’s civil rights technical assistance and outreach efforts to a higher level by helping grantees better understand equal opportunity requirements as related to STEM programs. These efforts facilitate greater achievement in STEM diversity and inclusiveness. MissionSTEM accomplishes these objectives in part by increasing communication between, and among, grant-recipient institutions and stakeholders, as well as NASA leadership.	N/A	No available data to determine the total population served.	N/A	N/A	Brenda Manuel Associate Administrator for Diversity and Equal Opportunity NASA Headquarters 300 E St SW, Washington, DC 20546 P: (202) 358 2167 brenda.r.manuel@nasa.gov For more information, please see: http://missionstem.nasa.gov	<p>The MissionSTEM Web site is designed to assist NASA grant recipients with their civil rights compliance efforts. The Agency strives to provide a broad scope to its technical assistance in this arena. As with our civil rights technical assistance publications, Title IX and STEM: Promising Practices for STEM and Title IX and STEM: A Guide to Conducting Title IX Self-Evaluations, MissionSTEM focuses on university and college STEM education programs; however, the Web site is also inclusive of the great variety of NASA recipients outside of the higher education context. This includes the many museums, planetariums, science centers and space camps nationwide that benefit from NASA dollars. In turn, these recipients provide year-round cultural and informal educational opportunities for their communities and for visitors traveling nationally and internationally.</p> <p>MissionSTEM seeks to look at the wide range of civil rights related issues that play a part in the daily operations of these very different kinds of entities. This includes the efforts of some of our recipients to ensure meaningful access to</p>
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						their programs and services for limited English proficient (LEP) persons and improved access for individuals with disabilities. We also continue to look at issues of race and gender in STEM education, for example, efforts to recruit and retain women and minority students in STEM, but here too we have expanded our STEM emphasis to include issues relating to non-traditionally aged students in NASA funded educational programs.
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Strategic Area 3: POSTSECONDARY EDUCATION AND WORKFORCE DEVELOPMENT/TRAINING

Objective 3.1.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities, initiatives, or resources that support either job training or educational activities leading to degrees and certificates, including provision of grants and scholarships. Include efforts or partnerships with institutions of higher education, including Hispanic-Serving Institutions that support or strengthen postsecondary education and workforce training completion. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies. Note: Do not include information collected through the annual MSI Data call led by the U.S. Department of Education’s HBCU Initiative.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
1. NASA Office of Small Business Programs (OSBP) Mentor Protégé Program (MPP) – MPP encourages NASA prime contractors to assist eligible protégés, thereby enhancing the protégés’ capabilities to perform on NASA contracts and subcontracts, fostering the establishment of long-term business relationships between these entities and NASA prime contractors, and increasing the overall number of these entities that receive NASA contract and subcontract awards. Eligible protégés include MSIs.	MPP agreements may not be longer than 36 months, or 3 years from the date the agreement begins.	N/A	No available data to determine the number of Hispanic students served.	-	Tabisa Kalisa Program Manager, Office of Small Business Programs NASA Headquarters 300 E St SW, Washington, DC 20546 P: (202) 358 2088 tabisa.t.kalisa@nasa.gov	Please see MPP webpage http://www.osbp.nasa.gov/mpp/index.html .
2. NASA OSBP HBCU/MSI Technology Infusion Road Tour –The Road Tour provides HBCUs/MSIs an introduction and a platform to seek NASA and large Prime Contractors to pursue non-grant funding. The Road Tour includes various methods of communication and presentations including workshops, one-on-one	3 – 4 day event at MSI campus.	N/A	N/A	-	Tabisa Kalisa Program Manager, Office of Small Business Programs NASA Headquarters 300 E St SW, Washington, DC 20546 P: (202) 358 2088 tabisa.t.kalisa@nasa.gov	This activity is designed to assist NASA and large Prime Contractors to meet and/or exceed internal goals established for HBCUs and other MSIs.



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<p>counseling sessions and open panel discussions involving technical and business points of contact from NASA, HBCUs/MSIs and large prime contractors.</p> <p>During the OSBP MSI Partnerships Meeting held in September 2015, OSPB solicited MSIs to host the Road Tour on campus. Three (3) MSIs were identified, including the University of Texas at El Paso (UTEP), a designated HSI. UTEP will host the road tour in Spring 2016.</p>						
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<p>3. MUREP Curriculum Improvement (MC31) – This Activity is established by NASA’s Office of Education to strengthen curriculum and curricular pathways in STEM, and attract, retain, and support the success of underrepresented students in STEM degree programs.</p> <p>MC31 aligns to the NASA Education Institutional Engagement (IE) LOB. IE increases STEM capabilities at formal and informal educational institutions and organizations by incorporating content based on NASA’s missions. NASA IE builds the capacity of formal and informal education institutions to participate in NASA’s mission. IE improves their capabilities to gain support from external sources; fosters interactions between NASA Centers/JPL, academic institutions, and industry; and expands the diversity and geographic representation of institutions nationwide.</p>	<p>MC31 awards are funded as multi-year cooperative agreements. The maximum period of performance is three (3) years.</p>	<p>In FY15 3 (3) of four (4) MSI awardees were Hispanic Serving Institutions or HSIs:</p> <p>Napa Valley College, CA; Queensborough Community College, Bayside, NY; and Santa Monica College, CA.</p>	<p>FY15 data collection is in progress.</p>	<p>Awards not to exceed \$300,000 per year for a maximum of three (3) years.</p>	<p>Roslyn Soto Activity Manager, MC31 NASA Jet Propulsion Laboratory Research Center 4800 Oak Grove Drive Mail Stop 180-109 Pasadena, CA 91109 P: (818) 354 1214 roslyn.soto@jpl.nasa.gov</p> <p>For more information, please see: https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={1298BD2D-A27C-C310-3ABE-FC1D7D701FFF}&path=open</p>	<p>GOALS:</p> <ul style="list-style-type: none"> a. Increase the number of STEM courses and curricular pathways that are available at MSCCs. b. Attract, retain, and support the success of students in STEM degree programs, and subsequently in NASA-related careers. c. Increase the number of students who complete STEM certificates/degrees from backgrounds that are historically underrepresented in STEM. <p>OBJECTIVES:</p> <ul style="list-style-type: none"> a. Develop curriculum improvements in STEM vocational certificate programs, AA/AS degree programs, and/or transfer programs. b. Expand the STEM pipeline through the development of new or existing high school partnerships. c. Develop and expand curricular options in engineering.
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<p>4. MUREP Institutional Research Opportunity (MIRO) – This activity is established by NASA’s Office of Education to strengthen and develop the research capacity and infrastructure of MSIs in areas of strategic importance and value to NASA’s mission and national priorities. Overall, MIRO awards aim to promote STEM literacy and to enhance and sustain the capability of institutions to perform NASA-related research and education, which directly supports NASA’s four Mission Directorates – Aeronautics Research, Human Exploration and Space Operations, Science, and Space Technology.</p> <p>MIRO aligns to the NASA Education IE LOB.</p>	<p>MIRO awards are funded as multi-year cooperative agreements. The maximum period of performance is five (5) years.</p>	<p>In FY15 four (4) of ten (10) MSI awardees were Hispanic Serving Institutions or HSI:</p> <p>California State University, Los Angeles; University of California, Merced; University of California, Riverside; and University of Texas at El Paso.</p>	<p>FY15 data collection is in progress.</p>	<p>Awards not to exceed \$1,000,000 per year for a maximum of five (5) years.</p>	<p>Oscar Murillo Activity Manager, MIRO NASA Armstrong Flight Research Center 4800 Lily Avenue, Edwards, CA 93523 P: (661) 276 6110 oscar.j.murillo@nasa.gov</p> <p>For more information, please see:</p> <p>https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId=%7BB6C61D04-5793-EF52-3497-1AA57FA424A5%7D&path=open</p> <p>http://www.nasa.gov/press-release/nasa-awards-research-grants-for-minority-serving-institutions</p>	<p>GOALS:</p> <ol style="list-style-type: none"> Expand the nation's base for aerospace research and development by fostering new aerospace research and technology development concepts. Develop mechanisms for increased participation by faculty and students at MSIs in the research programs of NASA’s Mission Directorates. Increase the number of undergraduate and graduate degrees awarded to students from MSIs in NASA-related fields. <p>OBJECTIVES:</p> <ol style="list-style-type: none"> Establish significant, multi-disciplinary, scientific, engineering, and/or commercial research centers at the host university, that contribute substantially to the programs of one or more of the NASA Mission Directorates as described in the 2014 NASA Strategic Plan.
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						<ul style="list-style-type: none"> b. Improve the rates at which students, who historically have been underrepresented in NASA-related fields, are awarded undergraduate and graduate degrees at their respective universities in NASA-related fields. c. Move increasingly towards gaining support from sources outside of MIRO, by aggressively pursuing additional funding opportunities offered by the NASA Mission Directorates, industry, and other agencies.
<p>5. MUREP Other Opportunities (MOO) – This activity is established by NASA’s Office of Education to strengthen curriculum and curricular pathways in STEM, and attract, retain, and support the success of underrepresented students in STEM degree programs</p>	<p>MOO awards are funded as multi-year cooperative agreements. The maximum period of performance is three (3) years.</p>	<p>In FY15 one (1) of four (4) MSI awardees were Hispanic Serving Institutions or HSIs:</p> <p>University of Texas at El Paso.</p>	<p>FY15 data collection is in progress.</p>	<p>Awards not to exceed \$500,000 per year for a maximum of five (5) years.</p>	<p>Misti Moore Activity Manager, MOO NASA Johnson Space Center</p> <p>Space Center/AD4</p> <p>Houston, TX 77025 P: (281) 483 6716 misti.m.moore@nasa.gov</p>	<p>GOALS:</p> <ul style="list-style-type: none"> a. Potential to increase the number of minorities in STEM education areas relevant to NASA. b. Contribute to the effective implementation of NASA’s educational goals and objectives using NASA’s unique assets and capabilities. c. Increase the number of available STEM



					<p>For more information, please see: https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=453655/solicitationId=%7BFF1DE65B-482E-622E-FA38-1D888470C4E3%7D/viewSolicitationDocument=1/APPENDIX%20O%20MUREP%20Other%20Opportunities%20Final.pdf http://www.nasa.gov/press-release/nasa-awards-grants-to-broaden-stem-education-for-underserved-students</p>	<p>courses and curricular pathways.</p> <p>d. Attract, retain, and support the success of students in STEM degree programs, and subsequently in NASA-related careers.</p> <p>e. Increase the number of students who complete STEM certificates/degrees from backgrounds that are historically underrepresented in STEM.</p> <p>OBJECTIVES:</p> <p>a. NASA Education objective 2.4: Advance the Nation's STEM education and workforce pipeline by working collaboratively with other agencies to engage students, teachers, and faculty in NASA's missions and unique assets.</p>
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<p>3. MUREP STEM Engagement (MSE) – this activity is established by NASA’s Office of Education to create and implement a NASA STEM challenge, targeted for MSI participation. STEM challenges are creative applications of NASA-related STEM and crosscutting concepts.</p> <p>MSE aligns to the NASA Education STEM Engagement (SE) Line of Business (LOB). SE activities are designed to provide opportunities for participatory and experiential learning activities that connect learners to NASA-unique resources. STEM Engagement activities are based on best practices in motivation, engagement, and learning in formal and informal settings such as Public Education Activities, Experiential Learning Opportunities, and STEM Challenges.</p>	<p>MSE awards are funded as multi-year cooperative agreements. The maximum period of performance is three (3) years.</p>	<p>In FY15, the MSE award was granted to the University of New Mexico, which is a designated HSI.</p>	<p>FY15 data collection is in progress.</p>	<p>Awards not to exceed \$600,000 per year for a maximum of three (3) years.</p>	<p>Theresa Martinez Activity Manager, MSE NASA Kennedy Space Center NASA KSC, EX-E Kennedy Space Center, FL 32899 P: (321) 867 0590 theresa.c.martinez@nasa.gov</p> <p>For more information, please see: https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={E4DCF76A-B563-9CC3-A9CD-80D27C145584}&path=open</p>	<p>GOALS:</p> <ul style="list-style-type: none"> a. Increase the retention and completion rates of undergraduate degrees awarded from MSIs in NASA-related STEM disciplines. b. Increase the number of NASA-focused STEM experiences that engage underrepresented groups in active learning to improve retention of information and critical thinking skills. c. Disseminate proven, innovative practices and programs in STEM teaching, STEM learning, and recruitment and retention of underrepresented/underserved students in STEM fields. <p>OBJECTIVES:</p> <ul style="list-style-type: none"> a. Design, develop, and implement a NASA-related STEM challenge targeted for MSI and community college STEM-enrolled student participation. b. Align the challenge
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						<p>design with the NASA mission and with a specific NASA program or project.</p> <p>c. Develop and implement processes to capture the impact of activities and strategies implemented through this challenge.</p>
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Objective 3.1.c: Workforce Diversity – In this section, the Agency should include any activities, investments, outreach and/or recruiting programs intended to diversify the Agency’s workforce, including activities, investments, outreach and/or recruiting programs designed to create awareness of professional opportunities and increase the recruitment and hiring of Hispanics.

Strategic Activity	Timeframe	Total Population Served	Hispanic students Served	Funding	Point of Contact	Performance Outcomes (Goals/Objectives)
Conference Support - NASA provided funding for the following MSI focused conferences in FY2015 (October 1, 2014 – September 30, 2015):	-	-	No available data to determine the number of Hispanic students served.	Please see FY15 Annual Agency Performance Report on Actions to Assist Minority Serving Institutions.	Tania Davis Acting MUREP Manager NASA Headquarters 300 E St SW, Washington, DC 20546 P: (202) 358 5266 tania.b.davis@nasa.gov	NASA conducts various interactive workshops and activities to share information about NASA opportunities with students, teachers, and community members. Student resumes are collected and disseminated throughout the Agency to connect students with internship, fellowship, scholarship and Pathways opportunities.
1. Great Minds in STEM, New Orleans, LA. http://greatmindsinstem.org/	October 2 – 4, 2014	~7,000	“	“	“	“
2. Hispanic, Engineering, Science, and Technology (HESTEC) Week, Edinburg, TX. http://www.utrgv.edu/hestec/	October 5, - 11, 2014	~29,400	“	“	“	“
3. Society of Hispanic Professional Engineers (SHPE), Detroit, MI. http://shpe.org/	November 5 – 9, 2014	~5,000	“	“	“	“
4. Society of Women Engineers (SWE), Los Angeles, CA. http://societyofwomenengineers.swe.org/	October 23 – 25, 2014	~5,000	“	“	“	“
5. Southern Regional Education Board (SREB), Atlanta Georgia. http://www.sreb.org	October 30, 2014	~12,074	“	“	“	“
6. Women of Color (WOC), Detroit, MI. http://intouch.ccgmag.com/mpage/woc_conference	October 23 – 25, 2014	~4,000	“	“	“	“